

REMARKS

The Examiner rejected Claims 24, 26 and 32 under 35 U.S.C. 102(e) as anticipated by Heumann et al. (US 6,686,752). He also rejected Claims 1, 2, 6, 7, 11-14, 18, 22-26, 30 and 32 under 35 U.S.C. 103(a) as unpatentable over Purvis et al. (US 4,655,077) in view of Minor et al. (US 5,581,019) and Heinzen (US 5,540,448), and Claims 3, 8, 15, 19 and 27 under 35 U.S.C. 103(a) as unpatentable over Purvis et al. in view of Minor et al., Heinzen and further Powell (US 6,286,471).

The Examiner also indicated that Claims 4, 5, 9, 10, 16, 17, 20, 21, 28, 29 and 31 would be allowed if rewritten in independent form to include the limitations of the claims from which they depended. Accordingly, the applicant has rewritten allowable Claims 4, 9, 16, 20 and 28 in independent form and has amended Claims 2, 3, 7, 8, 12-15, 19, 22, 25-27 and 30-32 to depend from an allowable claim. Original independent Claims 1, 6, 11, 18 and 24 have been cancelled without prejudice.

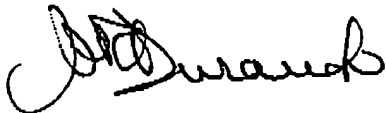
It is noted that allowable Claim 20 originally depended from both Claims 19 and 18. From the nature of the other claims deemed allowable, the limitation of Claim 19 (insulation made of urethane) is not believed to be necessary for the allowability of Claim 20. Accordingly, Claim 20 has been rewritten in independent form but to include only the limitations of Claim

18. Similarly, rejected Claim 22 has been amended to add the same limitation (a body of insulating material and an electrically conductive material that are parts of a printed circuit board) considered sufficient to patentably distinguish the prior art.

In view of the foregoing, the applicant believes that all remaining pending claims, as amended, recite allowable subject matter and respectfully requests reconsideration of these claims.

The applicant and his attorney thank the Examiner for the thorough examination of the application. No fees are believed to be due because the total number claims has been reduced and the number of independent claims is the same. Please charge any other fee related to this filing to our Deposit Account No. 17-0055.

Respectfully submitted,



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